



# CT-Z110

YJ(ST)

# SERVICE MANUAL

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STEREO CAR CASSETTE RECEIVER

BASIC TAPE MECHANISM : TN-715-DH-116

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- Replace this Service Manual with "Revision Publishing" when it is issued.

# aiwa

S/M Code No. 09-005-344-9T1

SIMPLE  
DATA

# ELECTRICAL MAIN PARTS LIST - 1

NOTE: The characters in the suffix column indicate the part usage.

YJ .....XX.....A.....

REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
C	705	87-010-313-080	CAP, CHIP 18P	A.....
C	706	87-010-315-080	C-CAP,S 27P-50 CH	A.....
IC	701	87-A21-540-030	C-IC,LC72336-9911	A.....
C	703	87-010-263-080	CAP, ELECT 100-10V	A.....
C	708	87-010-378-080	CAP, ELECT 10-16V	A.....
C	702	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	704	87-010-198-080	CAP, CHIP 0.022	A.....
C	701	87-010-314-080	C-CAP,S 22P-50V	A.....
C	707	87-018-131-080	CAP, CER 1000P-50V	A.....
L	701	87-A50-375-010	COIL,1UH K LAL02	A.....
L	702	87-003-149-080	COIL,47UH	A.....
D	701	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	702	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	703	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	704	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	705	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	902	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	907	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	908	87-020-465-080	DIODE,1SS133 (110MA)	A.....
S	901	87-A91-152-010	SW,SL 1-1-2 SSSS212-11-A	A.....
Q	707	87-A30-475-080	TR,KRA104M-AT	A.....
Q	705	87-A30-467-040	C-TR,KRA111S-RTK	A.....
Q	706	87-A30-468-040	C-TR,KRC102S-RTK	A.....
Q	701	87-026-313-080	TR,DTC343TS	A.....
Q	702	87-026-313-080	TR,DTC343TS	A.....
Q	703	87-026-313-080	TR,DTC343TS	A.....
Q	704	87-026-313-080	TR,DTC343TS	A.....
X	701	87-A70-175-010	VIB,XTAL 4.5MHZ AT-49	A.....
C	712	87-018-208-010	CAP,TC-U 0.047-50 F	A.....
C	713	87-018-208-010	CAP,TC-U 0.047-50 F	A.....
C	210	87-010-401-080	CAP, ELECT 1-50V	A.....
C	211	87-010-401-080	CAP, ELECT 1-50V	A.....
C	213	87-010-401-080	CAP, ELECT 1-50V	A.....
C	214	87-010-401-080	CAP, ELECT 1-50V	A.....
C	203	87-010-378-080	CAP, ELECT 10-16V	A.....
C	204	87-010-378-080	CAP, ELECT 10-16V	A.....
C	205	87-010-263-080	CAP, ELECT 100-10V	A.....
C	206	87-010-263-080	CAP, ELECT 100-10V	A.....
C	209	87-010-263-080	CAP, ELECT 100-10V	A.....
C	212	87-010-380-080	CAP, ELECT 47-16V	A.....
C	215	87-010-380-080	CAP, ELECT 47-16V	A.....
C	207	87-010-198-080	CAP, CHIP 0.022	A.....
C	208	87-010-198-080	CAP, CHIP 0.022	A.....
C	201	87-018-131-080	CAP, CER 1000P-50V	A.....
C	202	87-018-131-080	CAP, CER 1000P-50V	A.....
		8Z-KTH-652-010	CONN ASSY,3P (HEAD)	A.....
		8Z-KTH-651-010	CONN ASSY,8P (DECK)	A.....
CON	201	87-009-031-010	CONNECTOR, 3P	A.....
CON	202	87-099-408-010	CONN,8P EH V WHT	A.....
IC	201	87-A21-191-010	IC,KIA6225S	A.....
Q	202	87-A30-473-080	TR,KRC102M-AT	A.....
Q	201	87-A30-295-010	TR,KRA226M	A.....
Q	203	87-A30-470-040	C-TR,KTC3875SY-RTK	A.....
Q	204	87-A30-470-040	C-TR,KTC3875SY-RTK	A.....
J	101	8Z-KT1-614-010	ANT,AW-002	A.....
C	119	87-010-992-080	C-CAP,S 0.047-25 B	A.....
C	120	87-010-992-080	C-CAP,S 0.047-25 B	A.....
C	106	87-010-402-080	CAP, ELECT 2.2-50V	A.....
C	107	87-010-380-080	CAP, ELECT 47-16V	A.....
C	108	87-010-380-080	CAP, ELECT 47-16V	A.....
C	115	87-010-380-080	CAP, ELECT 47-16V	A.....
C	102	87-018-134-080	CAPACITOR,TC-U 0.01-16	A.....
C	103	87-018-134-080	CAPACITOR,TC-U 0.01-16	A.....
C	105	87-018-134-080	CAPACITOR,TC-U 0.01-16	A.....
C	114	87-018-134-080	CAPACITOR,TC-U 0.01-16	A.....
C	118	87-018-134-080	CAPACITOR,TC-U 0.01-16	A.....
C	104	87-018-209-080	CAP, CER 0.1-50V	A.....
C	109	87-018-209-080	CAP, CER 0.1-50V	A.....
C	116	87-018-209-080	CAP, CER 0.1-50V	A.....
C	117	87-018-209-080	CAP, CER 0.1-50V	A.....
C	101	87-018-119-080	CAP, CER 100P-50V	A.....
L	102	8Z-KT1-619-010	COIL,68MH K7-D	A.....
L	101	87-003-143-080	COIL 4.7 UH	A.....
D	101	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	102	87-020-465-080	DIODE,1SS133 (110MA)	A.....
Q	101	87-A30-473-080	TR,KRC102M-AT	A.....
Q	105	8Z-KTH-623-080	TR,KTA1267Y	A.....
Q	106	8Z-KTH-623-080	TR,KTA1267Y	A.....
Q	102	8Z-KTH-622-080	TR,KTC3198Y	A.....
Q	103	8Z-KTH-622-080	TR,KTC3198Y	A.....
Q	104	8Z-KTH-622-080	TR,KTC3198Y	A.....
TU	101	8A-KC8-621-010	TU UNIT, FAE347-A12	A.....
C	411	87-016-083-080	C-CAP,S 0.15-16 RK	A.....
C	412	87-016-083-080	C-CAP,S 0.15-16 RK	A.....
C	413	87-016-083-080	C-CAP,S 0.15-16 RK	A.....
C	414	87-016-083-080	C-CAP,S 0.15-16 RK	A.....
IC	401	8Z-KT1-622-010	C-IC,LC75374E	A.....

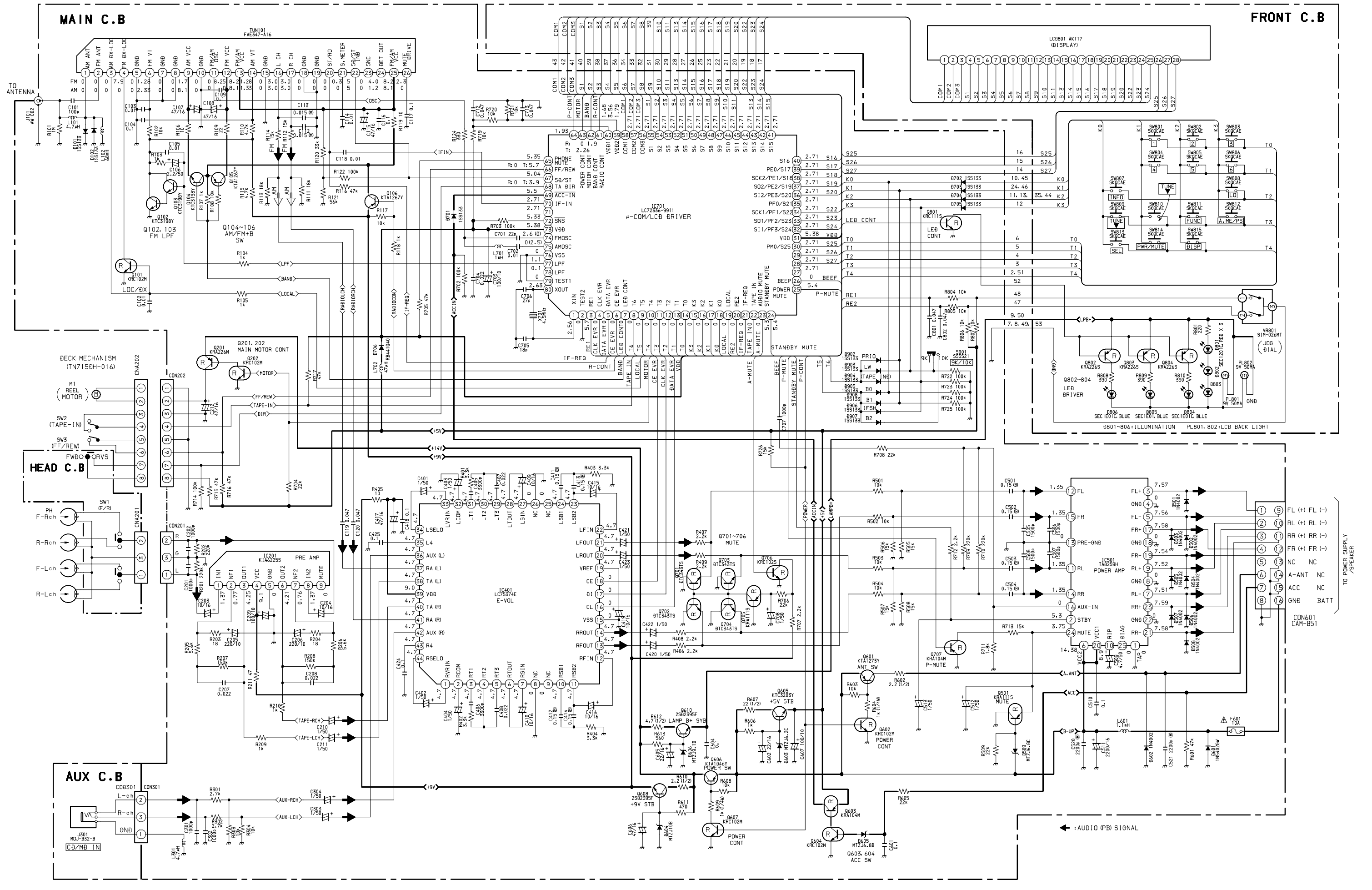
## ELECTRICAL MAIN PARTS LIST - 2

C	401	87-010-401-080	CAP, ELECT 1-50V	A.....
C	402	87-010-401-080	CAP, ELECT 1-50V	A.....
C	403	87-010-401-080	CAP, ELECT 1-50V	A.....
C	404	87-010-401-080	CAP, ELECT 1-50V	A.....
C	420	87-010-401-080	CAP, ELECT 1-50V	A.....
C	421	87-010-401-080	CAP, ELECT 1-50V	A.....
C	422	87-010-401-080	CAP, ELECT 1-50V	A.....
C	423	87-010-401-080	CAP, ELECT 1-50V	A.....
C	409	87-010-378-080	CAP, ELECT 10-16V	A.....
C	410	87-010-378-080	CAP, ELECT 10-16V	A.....
C	415	87-010-378-080	CAP, ELECT 10-16V	A.....
C	416	87-010-378-080	CAP, ELECT 10-16V	A.....
C	419	87-010-378-080	CAP, ELECT 10-16V	A.....
C	417	87-010-380-080	CAP, ELECT 47-16V	A.....
C	407	87-010-198-080	CAP, CHIP 0.022	A.....
C	408	87-010-198-080	CAP, CHIP 0.022	A.....
C	418	87-010-196-080	CHIP CAPACITOR, 0.1-25	A.....
C	405	87-010-184-080	CHIP CAPACITOR 3300P(K)	A.....
C	406	87-010-184-080	CHIP CAPACITOR 3300P(K)	A.....
C	501	87-016-083-080	C-CAP,S 0.15-16 RK	A.....
C	502	87-016-083-080	C-CAP,S 0.15-16 RK	A.....
C	503	87-016-083-080	C-CAP,S 0.15-16 RK	A.....
C	504	87-016-083-080	C-CAP,S 0.15-16 RK	A.....
C	509	87-010-379-080	CAP, ELECT 22-16V	A.....
C	511	8Z-KT1-633-090	CAP,E 3300U-16 PW	A.....
C	510	87-018-209-080	CAP, CER 0.1-50V	A.....
C	505	87-018-196-080	CAP, CER 1500P-16V	A.....
C	506	87-018-196-080	CAP, CER 1500P-16V	A.....
C	507	87-018-196-080	CAP, CER 1500P-16V	A.....
C	508	87-018-196-080	CAP, CER 1500P-16V	A.....
IC	501	8Z-KTG-622-010	IC,TA8259H	A.....
C	520	87-010-182-080	C-CAP,S 2200P-50 B	A.....
C	521	87-010-182-080	C-CAP,S 2200P-50 B	A.....
D	501	87-001-783-080	DIODE,1N4002	A.....
D	502	87-001-783-080	DIODE,1N4002	A.....
D	503	87-001-783-080	DIODE,1N4002	A.....
D	504	87-001-783-080	DIODE,1N4002	A.....
D	505	87-001-783-080	DIODE,1N4002	A.....
D	506	87-001-783-080	DIODE,1N4002	A.....
D	507	87-001-783-080	DIODE,1N4002	A.....
D	508	87-001-783-080	DIODE,1N4002	A.....
C	602	87-010-379-080	CAP, ELECT 22-16V	A.....
C	605	87-010-379-080	CAP, ELECT 22-16V	A.....
C	606	87-010-380-080	CAP, ELECT 47-16V	A.....
CN	601	8Z-KT1-624-010	CONN,16P SOC017	A.....
D	602	87-001-783-080	DIODE,1N4002	A.....
D	601	87-070-022-010	DIODE,IN5402 (RECT)	A.....
L	601	8Z-KT1-615-010	FLTR,AMORPHOUS -CHOKE	A.....
Q	606	87-A30-476-010	TR,KTA1046Y	A.....
Q	603	87-A30-475-080	TR,KRA104M-AT	A.....
Q	602	87-A30-473-080	TR,KRC102M-AT	A.....
Q	604	87-A30-473-080	TR,KRC102M-AT	A.....
Q	607	87-A30-473-080	TR,KRC102M-AT	A.....
Q	601	8Z-KTH-627-080	TR,KTA1273Y	A.....
Q	605	8Z-KTH-626-080	TR,KTC3203Y	A.....
Q	608	89-423-953-010	TR,2SD2395F	A.....
Q	610	89-423-953-010	TR,2SD2395F	A.....
D	604	87-070-334-080	ZENER,MTZJ10B	A.....
D	603	87-A40-344-080	ZENER,MTZJ6.2C	A.....
D	605	87-A40-337-080	ZENER,MTZJ 6.8B	A.....
C	607	87-010-263-080	CAP, ELECT 100-10V	A.....
F	601	8Z-KC1-621-010	FUSE,15A 32V	A.....
D	606	87-A40-523-080	ZENER,MTZJ9.1B	A.....
C	601	87-018-209-080	CAP, CER 0.1-50V	A.....
C	604	87-018-209-080	CAP, CER 0.1-50V	A.....
C	301	87-018-131-080	CAP, CER 1000P-50V	A.....
C	302	87-018-131-080	CAP, CER 1000P-50V	A.....
C	801	87-018-134-080	CAPACITOR,TC-U 0.01-16	A.....
C	802	87-018-134-080	CAPACITOR,TC-U 0.01-16	A.....
Q	801	87-A30-469-040	C-TR,KRC111S-RTK	A.....
LCD	801	8A-KTG-610-010	LCD,AKT-16-17	A.....
SW	801	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	802	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	803	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	804	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	805	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	806	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	807	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	808	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	809	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	810	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	811	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	812	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	813	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	814	87-036-251-080	SW,T CT 6X3.5 160	A.....
SW	815	87-036-251-080	SW,T CT 6X3.5 160	A.....
J	301	87-A61-229-010	JACK,3.5 BLK ST W/SW	A.....
PL	801	8A-KT7-655-010	LAMP,9V-50MA	A.....
PL	802	8A-KT7-655-010	LAMP,9V-50MA	A.....
D	801	87-A91-052-080	LED,SEL6227S RED	A.....
D	802	87-A91-052-080	LED,SEL6227S RED	A.....
D	803	87-A91-052-080	LED,SEL6227S RED	A.....
VR	801	87-A91-597-010	SW,RTRY SIM-026MT	A.....

## ELECTRICAL MAIN PARTS LIST - 3

D	804	87-A40-813-040	C-LED,SEC1E01C BLUE	A.....
D	805	87-A40-813-040	C-LED,SEC1E01C BLUE	A.....
D	806	87-A40-813-040	C-LED,SEC1E01C BLUE	A.....
Q	802	87-A30-472-040	C-TR,KRA226S-RTK	A.....
Q	803	87-A30-472-040	C-TR,KRA226S-RTK	A.....
Q	804	87-A30-472-040	C-TR,KRA226S-RTK	A.....
Q	805	87-A30-469-040	C-TR,KRC111S-RTK	A.....
CN	301	8Z-KTH-612-010	CONN,3P HEADER-STRAIGHT	A.....

### SCHEMATIC DIAGRAM-1



# MECHANICAL PARTS LIST - 1

NOTE: The characters in the suffix column indicate the part usage.

YJ .....XX.....A.....

REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
	8A-KT5-021-010		RING,RTRY A	A.....
	8A-KTF-004-010		WINDOW,L F	A.....
	8A-KTF-005-010		WINDOW,R F	A.....
	8A-KTH-001-010		CABI,FRONT H	A.....
	8A-KTH-002-010		WINDOW,LCD H	.....
	8A-KTH-006-010		CABI,TRIM H	A.....
	8Z-KT1-023-110		DOOR,CASS	A.....
	8A-KTH-008-010		WINDOW,LCD Z110 35W	A.....
	8A-KT5-012-010		BTN,PWR	A.....
	8A-KT5-013-010		BTN,DISP	A.....
	8A-KT5-014-010		BTN,A/M	A.....
	8A-KT5-015-010		BTN,LO	A.....
	8A-KT5-016-010		BTN,INFO	A.....
	8A-KTF-013-010		BTN,FNC F	A.....
	8A-KTF-020-010		KNOB,RTRY NON RUBBER	A.....
	8A-KTG-003-010		BTN,UP/DN G	A.....
	8A-KTG-004-010		BTN,P.SET G	A.....
	8A-KTH-003-010		BTN,EJECT H	A.....
	8A-KTH-004-010		BTN,FF H	A.....
	8A-KTH-005-010		BTN,REW H	A.....
	8A-KT5-204-010		HLDR,TR	A.....
	8A-KT5-210-010		HLDR,BTN MU	A.....
	8A-KT5-211-010		HLDR,BTN DISP	A.....
	8A-KTF-201-010		HLDR,IC F	A.....
	8A-KTF-205-010		LENS,ENCO F	A.....
	8A-KTF-206-010		LENS,R F	A.....
	8A-KTG-201-010		HLDR,LCD G	A.....
	8A-KTG-202-010		CASE,LCD G	A.....
	8A-KTG-203-010		LENS,LCD G	A.....
	8A-KTH-201-010		HLDR,DECK H	A.....
	8A-KTH-202-010		CHAS,FRONT H	A.....
	8A-KTH-203-010		HLDR,PWB H	A.....
	8Z-KT1-211-010		COVER, TOP -T	A.....
	8Z-KT1-212-010		COVER, BOTTOM -T	A.....
	8Z-KT1-239-010		CAP,LAMP BLU B	A.....
	8Z-KT1-244-010		SPR-T,DOOR Z	A.....
	8Z-KT4-201-010		COVER, CD BLIND -T	A.....
	8Z-KT5-201-010		COVER, ISO BLIND -T	A.....
	8Z-KTH-204-010		LEVER,EJ-T17	A.....
	87-251-073-410		SCREW,U+2.6-6	A.....
	87-251-076-410		U+2.6-12	A.....
	87-251-097-410		U+3-12	A.....
	87-251-092-410		U+3-4	A.....
	87-253-034-410		U+2-5 BLK	A.....
	87-432-903-010		WASHER,WTE 2.6	A.....
	88-KT1-250-010		S-SCREW,THIN HEAD+2.6-4 BLK	A.....
	8Z-KTH-652-010		CONN ASSY,3P (HEAD)	A.....
	8Z-KTH-651-010		CONN ASSY,8P (DECK)	A.....

## ACCESSORIES LIST

NOTE: The characters in the suffix column indicate the part usage.

YJ .....XX.....A.....

REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
	8A-KTH-901-010		IB,YU(3L) 110	.....
	8A-KT5-902-010		IB,INST,YU,YL (3L,P)	.....
	8A-KTH-902-010		IB,Y(E CH A) 110	A.....
	8A-KT5-908-010		IB,INST,YH,Y (E CK CH A)-A	A.....
	86-KT1-237-010		HLDR,REAR MTG	A.....
*	87-B10-141-010		NUT,5 TYPE-2	A.....
	87-B10-143-010		UT1+5-15 W/O SLOT	A.....
	87-B10-144-010		W,5.2-10-0.5	A.....
	87-B10-145-010		W-SPR,5.3-8.5-1.5	A.....
*	88-KT1-247-010		S-SCREW,HEXAGON	A.....
	8Z-KT1-231-010		HLDR,HALF -T	A.....
	8Z-KT1-232-010		KEY,REMOVE -T	A.....
*	8Z-KT1-251-010		S-SCREW,5*6 TH+ TAPPING ST	A.....
	8Z-KT1-625-010		CONN ASSY,16P SOC016	A.....

